

Amendments to the Claims:

Please amend the claims as set out in the Listing of Claims below, which replaces all
5 prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-39 (canceled)

- 10 40. (Currently amended) A thickened oil cosmetic composition which comprises
- (1) an oil, and
 - (2) dispersed in the oil, a polymer which
 - (a) has a crystalline melting point, T_p , and an onset of melting
 - 15 temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,
 - (b) is soluble in the oil at temperatures above T_p ,
 - (c) has been dispersed in the oil by a process which comprises
 - (i) dissolving the polymer in the oil at a temperature above T_p ,
 - and
 - 20 (ii) cooling the solution to crystallize the polymer in the oil,
 - (d) is a side chain crystalline (SCC) polymer homopolymer which is substantially free of functional groups, and which consists of
 - (i) 50 to 100% by weight of units derived from at least one
 - 25 n-alkyl acrylate in which the n-alkyl group contains 12 to 50 carbon
 - atoms, and
 - (ii) 0 to 50% by weight of units derived from at least one
 - alkyl acrylate or methacrylate in which the alkyl group is not
 - an n-alkyl group containing 12 to 50 carbon atoms, and
 - (e) is present in amount 3 to 10% by weight ~~such that it thickens the~~
 - 30 ~~oil;~~
- the composition being at a temperature (i)-which is below T_p and
- (ii) ~~at which the composition, in the absence of the polymer, is liquid.~~

41. (Currently amended) A composition according to Claim 40, wherein the SCC polymer consists essentially of units derived from an n-alkyl acrylate or methacrylate in which the n-alkyl group contains 14 to 22 ~~12 to 50~~ carbon atoms.

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42-43. (Canceled).

44. (Previously added) A composition according to Claim 40 which is at a temperature of 20 to 25 °C and wherein T_p is more than 40 °C.

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45. (Canceled)

46. (Currently amended) A composition according to Claim 40 ~~45~~ which is substantially free of water.

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47. (Currently amended) A composition according to Claim 40 ~~45~~ which is at a temperature of ~~20 to 25 °C~~ and wherein T_p is 20-80°C. ~~above 40 °C~~.

48. (Canceled)

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49. (Currently amended) A composition according to Claim 40 ~~45~~, wherein $T_p - T_o$ is less than 10°C.

50. (Canceled)

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51. (Currently amended) A composition according to Claim 40 ~~45~~ which contains 3 to 7% by weight of the SCC polymer.

52-58. (Canceled)

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59. (Currently amended) A thickened oil composition comprising

(1) at least one ~~an~~ oil selected from the group consisting of hydrogenated polyisobutylene; triglycerides; purcellin oil; isopropyl myristate; butyl myristate; cetyl myristate; isopropyl palmitate; butyl palmitate; ethyl-2-hexyl palmitate; isopropyl stearate; butyl stearate; octyl hexadecyl stearate; isocetyl stearate; decyl oleate; hexyl laurate; propylene glycol dicaprylate, diisopropyl adipate; animal oils; ~~silicone oils~~; oleyl alcohol; linoleyl alcohol; linolenyl alcohol; isostearyl alcohol; octyl dodecanol; esters derived from lanolic acid; and acetyl glycerides; and

(2) dispersed in the oil, a polymer which

(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

(b) is soluble in the oil at temperatures above T_p ,

(c) has been dispersed in the oil by a process which comprises (i) dissolving the polymer in the oil at a temperature above T_p , and

(ii) cooling the solution to crystallize the polymer in the oil, and

(d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups, and which consists of

(i) 50 to 100% by weight of units derived from at least one n-alkyl acrylate or methacrylate in which the n-alkyl group contains 12 to 50 carbon atoms, and

(ii) 0 to 50% by weight of units derived from at least one alkyl acrylate or methacrylate in which the alkyl group is not an n-alkyl group containing 12 to 50 carbon atoms;

the composition being at a temperature below T_p .

60. (Previously presented) A composition according to Claim 59 wherein T_p is above 40 °C.

61. (Currently amended) A composition according to Claim 59 wherein T_p is 20-80°C. ~~40-50°C.~~

62. (Previously presented) A composition according to Claim 59 wherein $T_p - T_o$ is less than 10°C .
- 5 63. (Previously presented) A composition according to Claim 59 wherein the SCC polymer comprises a homopolymer of the n-alkyl acrylate in which the n-alkyl group contains 18 carbon atoms.
- 10 64. (Previously presented) A composition according to Claim 59 wherein the SCC polymer is a homopolymer of the n-alkyl acrylate in which the n-alkyl group contains 22 carbon atoms.
65. (Currently amended) A composition according to Claim 59 wherein the oil comprises ~~is~~ a vegetable oil.
- 15 66. (Currently amended) A composition according to Claim 59 wherein the oil comprises at least one oil ~~is~~ selected from the group consisting of sunflower seed oil, sesame seed oil, rape seed oil, sweet almond oil, calphyllum oil, palm oil, avocado oil, jojoba oil, olive oil, castor oil, and grain germ oils.
- 20 67. (Currently amended) A composition according to Claim 59 wherein the oil comprises at least one oil ~~is~~ selected from perhydrosqualene, dimethyl polysiloxane, phenyl dimethicones, isopropyl lanolate, isocetyl lanolate, octanoates of glycol, octanoates of glycerol, decanoates of glycol, decanoates of glycerol, and cetyl ricinoleate.
- 25 68. (Previously presented) A thickened oil composition which is a water-in-oil emulsion and which comprises
- (1) an oil, and
- (2) dispersed in the oil, a polymer which
- 30 (a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

- (b) is soluble in the oil at temperatures above T_p ,
- (c) has been dispersed in the oil by a process which comprises
 - (i) dissolving the polymer in the oil at a temperature above T_p , and
 - (ii) cooling the solution to crystallize the polymer in the oil,

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- (d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups;

the composition being at a temperature below T_p .

10 69. (Previously presented) A thickened oil composition which is a water-in-oil emulsion and which comprises

- (1) an oil, and
- (2) dispersed in the oil, a side chain crystalline (SCC) polymer which
 - (a) has a crystalline melting point, T_p , of 20 to 80 °C, and an onset of

15 melting temperature, T_o , such that $T_p - T_o$ is less than 10 °C,

- (b) is soluble in the oil at temperatures above T_p ,
- (c) has been dispersed in the oil by a process which comprises
 - (i) dissolving the polymer in the oil at a temperature above T_p , and
 - (ii) cooling the solution to crystallize the polymer in the oil,

- (d) contains at least 80% by weight of repeating units containing a side chain comprising a linear polymethylene radical or a linear substantially perfluorinated polymethylene radical containing 6 to 50 carbon atoms, and
- (e) is substantially free of functional groups;

20 the composition being at a temperature below T_p .

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70. (Currently amended) A composition according to Claim 69, wherein T_p is 20-80°C. ~~40-50°C.~~

71. (Previously presented) A composition according to Claim 69, wherein the
30 SCC polymer consists essentially of units derived from at least one n-alkyl acrylate or methacrylate in which the n-alkyl group contains 12 to 50 carbon atoms.

72. (Previously presented) A composition according to Claim 69 which contains 3 to 10% by weight of the SCC polymer.

5 73. (Previously presented) A composition according to Claim 69 which contains 3 to 7% by weight of the SCC polymer.

74-76. (Canceled)

10 77. (Currently amended) A thickened oil composition ~~according to Claim 40~~ which is a lipstick, deodorant, nail varnish, sun cream, protective hand cream, night renewal cream, body milk, body lotion, light facial cream, protective day cream, or moisturizing emulsion; and which comprises

(1) an oil, and

15 (2) dispersed in the oil, a polymer which

(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

(b) is soluble in the oil at temperatures above T_p ,

(c) has been dispersed in the oil by a process which comprises

20 (i) dissolving the polymer in the oil at a temperature above T_p ,
and

(ii) cooling the solution to crystallize the polymer in the oil, and

(d) is a side chain crystalline (SCC) homopolymer which is substantially free of functional groups;

25 the composition being at a temperature which is below T_p .

78. (New) A thickened oil composition ~~according to claim 40~~ which contains which comprises

(1) an oil,

30 (2) dispersed in the oil, a polymer which

(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$.

(b) is soluble in the oil at temperatures above T_p .

(c) has been dispersed in the oil by a process which comprises

(i) dissolving the polymer in the oil at a temperature above T_p ,

and

(ii) cooling the solution to crystallize the polymer in the oil, and

(d) is a side chain crystalline (SCC) homopolymer which is substantially free of functional groups; and

(3) a fragrance;

the composition being at a temperature which is below T_p .

79. (Canceled)

80. (Currently amended) A thickened oil composition ~~according to Claim 45~~ which is a lipstick, deodorant, nail varnish, sun cream, protective hand cream, night renewal cream, body milk, body lotion, light facial cream, protective day cream, or moisturizing emulsion, and which comprises

(1) an oil,

(2) dispersed in the oil, a polymer which

(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

(b) is soluble in the oil at temperatures above T_p ,

(c) has been dispersed in the oil by a process which comprises

(i) dissolving the polymer in the oil at a temperature above T_p , and

(ii) cooling the solution to crystallize the polymer in the oil; and

(d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups, and which consists of

(i) 50 to 100% by weight of units derived from at least one

n-alkyl acrylate or methacrylate in which the n-alkyl group contains

12 to 50 carbon atoms, and

(ii) 0 to 50% by weight of units derived from at least one alkyl acrylate or methacrylate in which the alkyl group is not an n-alkyl group containing 12 to 50 carbon atoms;

the composition being at a temperature which is below T_p .

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81. (Currently amended) A thickened oil composition according to claim 45 which ~~contains~~ which comprises

(1) an oil,

(2) dispersed in the oil, a polymer which

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(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

(b) is soluble in the oil at temperatures above T_p ,

(c) has been dispersed in the oil by a process which comprises

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(i) dissolving the polymer in the oil at a temperature above T_p , and

(ii) cooling the solution to crystallize the polymer in the oil, and

(d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups, and which consists of

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(i) 50 to 100% by weight of units derived from at least one n-alkyl acrylate or methacrylate in which the n-alkyl group contains 12 to 50 carbon atoms, and

(ii) 0 to 50% by weight of units derived from at least one alkyl acrylate or methacrylate in which the alkyl group is not an n-alkyl group containing 12 to 50 carbon atoms; and

(3) a fragrance;

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the composition being at a temperature which is below T_p .

82. (Canceled)

83. (New) A composition according to Claim 77, wherein the SCC polymer consists essentially of units derived from an n-alkyl acrylate or methacrylate in which the n-alkyl group contains 10 to 50 carbon atoms.

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84. (New) A composition according to Claim 77 wherein the SCC polymer is present in amount 0.1 to 12 % by weight, based on the weight of the oil.
- 5 85. (New) A composition according to Claim 77 which contains 3 to 10% by weight of the SCC polymer.
86. (New) A composition according to Claim 77 which contains 3 to 7% by weight of the SCC polymer.
- 10 87. (New) A composition according to Claim 77 wherein T_p is more than 40 °C.
88. (New) A composition according to Claim 77 wherein T_p is 20 to 80°C.
- 15 89. (New) A composition according to Claim 77 which is at a temperature of 20 to 25 °C and wherein T_p is 40-50 °C.
90. (New) A composition according to Claim 45, wherein $T_p - T_o$ is less than 10°C.
- 20 91. (New) A composition according to Claim 77 which is substantially free of water.
92. (New) A composition according to Claim 78 wherein the SCC polymer is present in amount 0.1 to 12 % by weight, based on the weight of the oil.
- 25 93. (New) A composition according to Claim 78 which contains 3 to 10% by weight of the SCC polymer.
94. (New) A composition according to Claim 78 which contains 3 to 7% by weight of the SCC polymer.
- 30 95. (New) A composition according to Claim 78 wherein T_p is more than 40 °C.

96. (New) A composition according to Claim 78 wherein T_p is 20 to 80°C.

97. (New) A composition according to Claim 78 which is at a temperature of 20 to 25 °C and wherein T_p is 40-50 °C.

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98. (New) A composition according to Claim 78, wherein $T_p - T_o$ is less than 10°C.

99. (New) A composition according to Claim 78 which is substantially free of water.

10 100. (New) A thickened oil composition which is a pretanning lotion, sunscreen lotion, sun tan lotion, after-sun lotion, makeup remover, hair-treating oil, hairdressing preparation, shampoo, foam bath, bath oil, skin cleanser, skin foundation, perfumed gel, mascara or eye makeup, and which comprises

(1) an oil, and

15 (2) dispersed in the oil, a polymer which

(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

(b) is soluble in the oil at temperatures above T_p ,

(c) has been dispersed in the oil by a process which comprises

20 (i) dissolving the polymer in the oil at a temperature above T_p , and

(ii) cooling the solution to crystallize the polymer in the oil;

and

(d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups;

25 the composition being at a temperature which is below T_p .

101. (New) A composition according to Claim 100 which is substantially free of water.

102. (New) A composition according to Claim 100 wherein the SCC polymer is
30 present in amount 0.1 to 12 % by weight, based on the weight of the oil.

103. (New) A composition according to Claim 100 which contains 3 to 10% by weight of the SCC polymer.

5 104. (New) A composition according to Claim 100 which contains 3 to 7% by weight of the SCC polymer.

105. (New) A composition according to Claim 100 wherein T_p is more than 40 °C.

10 106. (New) A composition according to Claim 100 wherein T_p is 20 to 80°C.

107. (New) A composition according to Claim 100 which is at a temperature of 20 to 25 °C and wherein T_p is 40-50 °C.

15 108. (New) A composition according to Claim 101, wherein $T_p - T_o$ is less than 10°C.

109. (New) A composition according to Claim 101 which is substantially free of water.

110. (New) A composition which comprises

- 20 (1) an oil,
- (2) dispersed in the oil, a polymer which
- (a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,
- (b) is soluble in the oil at temperatures above T_p ,
- (c) has been dispersed in the oil by a process which comprises
- 25 (i) dissolving the polymer in the oil at a temperature above T_p , and
- (ii) cooling the solution to crystallize the polymer in the oil;
- and
- (d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups; and
- 30 (3) at least one additive selected from sunscreen agents, colorants, pigments, silicones, deodorants, pharmaceuticals and antiseptic agents;

the composition being at a temperature which is below T_p .

111. (New) A composition according to Claim 110 which is substantially free of water.

5 112. (New) A composition according to Claim 110 wherein the SCC polymer is present in amount 0.1 to 12 % by weight, based on the weight of the oil.

113. (New) A composition according to Claim 110 which contains 3 to 10% by weight of the SCC polymer.

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114. (New) A composition according to Claim 110 which contains 3 to 7% by weight of the SCC polymer.

115. (New) A composition according to Claim 110 wherein T_p is more than 40 °C.

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116. (New) A composition according to Claim 110 wherein T_p is 20 to 80°C.

117. (New) A composition according to Claim 110 which is at a temperature of 20 to 25 °C and wherein T_p is 40-50 °C.

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118. (New) A composition according to Claim 110 wherein $T_p - T_o$ is less than 10°C.

119. (New) A composition according to Claim 110 which is substantially free of water.

25 120. (New) A thickened oil composition which comprises

(1) a silicone oil, and

(2) dispersed in the oil, a polymer which

(a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

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(b) is soluble in the oil at temperatures above T_p ,

(c) has been dispersed in the oil by a process which comprises

- (i) dissolving the polymer in the oil at a temperature above T_p , and
- (ii) cooling the solution to crystallize the polymer in the oil,

and

- (d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups;

the composition being at a temperature which is below T_p .

121. (New) A method of treating a substrate selected from human skin, human hair and human nails, the method comprising applying to the substrate a thickened oil composition which comprises

- (1) an oil, and

- (2) dispersed in the oil, a polymer which

- (a) has a crystalline melting point, T_p , and an onset of melting temperature, T_o , such that $T_p - T_o$ is less than $T_p^{0.7}$,

- (b) is soluble in the oil at temperatures above T_p ,

- (c) has been dispersed in the oil by a process which comprises

- (i) dissolving the polymer in the oil at a temperature above T_p , and
- (ii) cooling the solution to crystallize the polymer in the oil,

and

- (d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups;

the composition being at a temperature which is below T_p ; thus cleansing, beautifying, promoting the attractiveness of, or altering the appearance of, the substrate.

122. (New) A method according to claim 121 wherein the composition contains less than 10% by weight, based on the weight of the oil, of the SCC polymer.

123. (New) A method according to claim 121 wherein the composition is free of water.

124. (New) A method according to claim 121 which is carried out at a temperature T_s and wherein the SCC polymer has a crystalline melting point, T_p , which is 10 to 30 °C above T_s .

5 125. (New) A method according to claim 121 wherein T_p is 20 to 80°C.

126. (New) A method according to claim 121 wherein T_p is 40 to 50°C.

10 127. (New) A method according to claim 121 wherein the SCC polymer has an onset-of-melting point T_o such that $(T_p - T_o)$ is less than 10 °C.

128. (New) A method according to Claim 121 wherein the SCC polymer comprises a homopolymer of the n-alkyl acrylate in which the n-alkyl group contains 18 carbon atoms.

15 129. (New) A method according to Claim 121 wherein the SCC polymer comprises a homopolymer of the n-alkyl acrylate in which the n-alkyl group contains 22 carbon atoms.

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